RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/816,571_

Source: _IF+0_

Date Processed by STIC: _4/8/04_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
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Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
<u>Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:</u>

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
   Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
                prevent "wrapping."

2 ____ Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
   Numbering   use space characters, instead.

4 ____ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
             ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length   Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules,
             each n or Xaa can only represent a single residue. Please present the maximum number of each
             residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
   "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
           previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
           the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
           Artificial or Unknown sequences.

7 ____ Skipped Sequences   Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
   (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
                (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                This sequence is intentionally skipped

                Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences   Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
   (NEW RULES)   <210> sequence id number
                <400> sequence id number
                000

9 ____ Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
   (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
                In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
   Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
             is Artificial Sequence

11 ____ Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
             Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
             "Unknown." Please explain source of genetic material in <220> to <223> section.
             (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
   "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
           listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa   "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFWO

RAW SEQUENCE LISTING   DATE: 04/08/2004
PATENT APPLICATION: US/10/816,591   TIME: 10:13:52

          Input Set : A:\NHL-NP-46 Sequence Listing.txt
          Output Set: N:\CRF4\04082004\J816591.raw

    3 <110> APPLICANT: Fuertes-Lopez, Laura
    4   Timon-Jimenez, Marcos
    6 <120> TITLE OF INVENTION: DNA EXPRESSION CONSTRUCT FOR TREATMENT OF INFECTIONS WITH
    7   LEISHMANIASIS
    9 <130> FILE REFERENCE: NHL-NP-46
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/816,591
C--> 11 <141> CURRENT FILING DATE: 2004-04-01
   11 <150> PRIOR APPLICATION NUMBER: DE 101 48 732.0
   12 <151> PRIOR FILING DATE: 2001-10-02
   14 <150> PRIOR APPLICATION NUMBER: DE 101 56 679.4
   15 <151> PRIOR FILING DATE: 2001-11-12
   17 <150> PRIOR APPLICATION NUMBER: PCT/DE02/03799
   18 <151> PRIOR FILING DATE: 2002-10-02
   20 <160> NUMBER OF SEQ ID NOS: 9
   22 <170> SOFTWARE: PatentIn version 3.2
   24 <210> SEQ ID NO: 1
   25 <211> LENGTH: 4791
   26 <212> TYPE: DNA
   27 <213> ORGANISM: Plasmid pSCp36
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   32 <222> LOCATION: (1939)..(1045)
   33 <223> OTHER INFORMATION: Kanamycin resistance, reverse complementary
   35 <220> FEATURE:
   36 <221> NAME/KEY: promoter
   37 <222> LOCATION: (2447)..(3243)
   38 <223> OTHER INFORMATION: CMV
   40 <220> FEATURE:
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   50 <221> NAME/KEY: polyA_site
   51 <222> LOCATION: (4338)..(4539)
   52 <223> OTHER INFORMATION: poly A site aus SV 40
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   59 aacatgtctc gggaggcctc acgtgacatg tgagcaaaag gccagcaaaa ggccaggaac   180
   61 cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gcccccctga cgagcatcac   240

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 67 ctgtccgcct ttctcccttc gggaagcgtg gcgctttctc atagctcacg ctgtaggtat  420
 69 ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag  480
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 77 atctgcgctc tgctgaagcc agttaccttc ggaaaaagag ttggtagctc ttgatccggc  720
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 81 aaaaaaggat ctcaagaaga tcctttgatc ttttctacgg ggtctgacgc tcagtggaac  840
 83 gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc  900
 85 cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct  960
 87 gacagttacc aatgcttaat cagtgaggca cctatctcag cgatctgtct atttcgttca 1020
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211 acattaattg cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg  4740
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217 <211> LENGTH: 11
218 <212> TYPE: PRT
219 <213> ORGANISM: Human immunodeficiency virus type 1, TAT peptide
221 <400> SEQUENCE: 2
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224 1               5                   10
227 <210> SEQ ID NO: 3
228 <211> LENGTH: 7
229 <212> TYPE: PRT
230 <213> ORGANISM: Simian virus 40, NLS peptide
232 <400> SEQUENCE: 3
234 Pro Lys Lys Lys Arg Lys Val
235 1               5
238 <210> SEQ ID NO: 4
239 <211> LENGTH: 20
240 <212> TYPE: DNA
241 <213> ORGANISM: ODN 1
244 <220> FEATURE:
245 <221> NAME/KEY: modified_base
246 <222> LOCATION: (12)..(12)
247 <223> OTHER INFORMATION: xT = Thymin modified with a reactive amino group
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(handwritten annotations) ODN 1 — Invalid Response

mandatory, <213> Response has to be either Artificial, Unknown on Genus/Species.

Please see item #10 on error summary sheet.

RAW SEQUENCE LISTING   DATE: 04/08/2004
PATENT APPLICATION: US/10/816,591   TIME: 10:13:52

Input Set : A:\NHL-NP-46 Sequence Listing.txt
Output Set: N:\CRF4\04082004\J816591.raw

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255 <212> TYPE: DNA
256 <213> ORGANISM: ODN 2
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262 <210> SEQ ID NO: 6
263 <211> LENGTH: 33
264 <212> TYPE: DNA
265 <213> ORGANISM: 1. PCR: Primer left
267 <400> SEQUENCE: 6
268 ttatatggta ccatgaacat acgagggtca cct
271 <210> SEQ ID NO: 7
272 <211> LENGTH: 42
273 <212> TYPE: DNA
274 <213> ORGANISM: 1. PCR: Primer right
276 <400> SEQUENCE: 7
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280 <210> SEQ ID NO: 8
281 <211> LENGTH: 33
282 <212> TYPE: DNA
283 <213> ORGANISM: 2. PCR: Primer left
285 <400> SEQUENCE: 8
286 ttatatggta ccatgaacat acgagggtca cct
289 <210> SEQ ID NO: 9
290 <211> LENGTH: 33
291 <212> TYPE: DNA
292 <213> ORGANISM: 2. PCR: Primer right
294 <400> SEQUENCE: 9
295 ttatatgagc tcttactcgg ccgtcggaga tgg
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[handwritten notes:] Same errors
20

See item 20
10
on error
summary 42
Sheet

33

33

VERIFICATION SUMMARY   DATE: 04/08/2004
PATENT APPLICATION: **US/10/816,591**   TIME: 10:13:53

Input Set : **A:\NHL-NP-46 Sequence Listing.txt**
Output Set: **N:\CRF4\04082004\J816591.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date